

**ASBESTOS INSPECTION REPORT
FOR
H.D. COOKE ELEMENTARY SCHOOL
SCHOOL NUMBER 227**

**Contract No. DACA31-94-D-0025
Delivery Order No. 0153**

Prepared for:

U.S. Army Corps of Engineers
Baltimore District
10 South Howard Street
Baltimore, Maryland 21201

Prepared by:

EA Engineering, Science, and Technology, Inc.
15 Loveton Circle
Sparks, Maryland 21152
(410) 771-4950

MAY 6, 1999

60957.31



July 8, 1999
EA Project No. 60957.31

MEMO

TO: Ed Yakuchev, USACE Baltimore
Garry Sherman, EPA

FROM: Kris Hoiem
Anwer Hasan

SUBJECT: Preliminary reports

The attached report is preliminary in nature, because we are awaiting final comments from the DCPS. These reports are forwarded at the request of USACE, due to capital improvement work in progress at various schools in the District of Columbia. A final report will be submitted with the Asbestos Management Plan one we have incorporated the DCPS comments.

ASBESTOS INSPECTION REPORT
FOR
H.D. COOKE ELEMENTARY SCHOOL
SCHOOL NUMBER 227

Prepared for:

U.S. Army Corps of Engineers
Baltimore District
10 South Howard Street
Baltimore, Maryland 21201

Prepared by:

EA Engineering, Science, and Technology, Inc.
15 Loveton Circle
Sparks, Maryland 21152
(410) 771-4950

Anwer J. Hasan
Project Manager

Date

MAY 6, 1999

INSPECTIONS, BULK SAMPLING, AND ASSESSMENTS

Inspections were conducted by: Dan Rettig

Date 4/6/99

Bulk samples were collected by: Dan Rettig

Date 4/6/99

Assessments were made by: Dan Rettig

Date 4/6/99

Signature: 

Name: Daniel L Rettig

*Accreditation No. 038061

State and Date: MD 9/11/98 – 9/11/99

Signature: _____

Name: _____

*Accreditation No. _____

State and Date: _____

* Copies of State license or training course certificates are contained in Appendix D.

LABORATORY STATEMENT AND CERTIFICATION*

All bulk samples were analyzed by: AMA Analytical Services

Address: 4475 Forbes Blvd.
Lanham, MD 20706

This laboratory meets all requirements of 40 CFR 763.87 and has received accreditation for Polarized Light Microscopy (PLM) analysis under the **NIST/NVLAP Program** (NVLAP # 101143-0) for bulk sample analysis. **

* See Appendix E for a copy of laboratory's NVLAP certificate.

** See Laboratory Certificates of Analysis for analyst(s) name(s) and signature(s) and date(s) of analysis in Appendix C.

CONTENTS

	<u>Page</u>
LIST OF TABLES	ii
LIST OF ACRONYMS AND ABBREVIATIONS	iii
1. INTRODUCTION	1-1
2. SCOPE OF WORK.....	2-1
3. METHODOLOGY	3-1
3.1 Inspection	3-1
3.1.1 Documentation.....	3-1
3.1.2 Bulk Sampling	3-2
3.2 Hazard Assessment.....	3-7
3.3 Cost Estimate.....	3-7
3.4 Asbestos Results.....	3-8
3.5 Asbestos Database.....	3-8
4. DATA AND RESULTS	4-1
School Narrative	
School description	
Findings	
ACBM hazards	
Removal and replacement cost	
Recommendations	
Table 1 – Asbestos Data Summary Form	
Table 2 – Sample Location/Results Summary	
Table 3 – Asbestos Management/Cost Summary	
Sample Location Drawings	
APPENDIX A: ASBESTOS INSPECTION DATA FORMS	
APPENDIX B: CHAIN-OF-CUSTODY FORMS	
APPENDIX C: LABORATORY CERTIFICATES OF ANALYSIS	
APPENDIX D: ASBESTOS INSPECTOR CERTIFICATES	
APPENDIX E: LABORATORY ACCREDITATION (NVLAP)	

LIST OF TABLES

<u>Number</u>	<u>Title</u>
3-1	Bulk material sampling strategy.
3-2	Unit costs for removal and replacement of ACBM.

LIST OF ACRONYMS AND ABBREVIATIONS

ACBM	Asbestos-Containing Building Materials
AHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
CFR	Code of Federal Regulations
DC	District of Columbia
EPA	U.S. Environmental Protection Agency
HEPA	High-Efficiency Particulate Air
NIST	National Institute of Science and Technology
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PLM/DS	Polarized Light Microscopy With Dispersion Staining
TSI	Thermal System Insulation

1. INTRODUCTION

EA Engineering, Science, and Technology conducted an inspection for asbestos-containing building materials (ACBM) at H.D. Cooke Elementary School on April 6th, 1999. The asbestos inspection was conducted to identify the presence and location of ACBM in order to comply with the U.S. Environmental Protection Agency's (EPA's) law, the Asbestos Hazard Emergency Response Act (AHERA), and the final rule, Asbestos-Containing Materials in Schools, 40 Code of Federal Regulations (CFR) Part 763, which establishes policies and procedures for management of asbestos. Such policies include provisions for performing inspections to identify the existence, extent, and condition of ACBM (both friable and non-friable). The asbestos inspection activities were performed in accordance with 40 CFR Part 763 requirements.

This inspection was nondestructive in nature, assessing only accessible areas throughout the building. Inaccessible areas not included in the survey consisted of wall interiors and areas above fixed ceilings (plaster, sheetrock, splined, etc.) that would have required demolition and areas where accessibility was impeded due to a health or safety hazard. Suspect materials that were evaluated included, but were not limited to, surfacing materials, including plaster and other troweled-on materials; thermal system insulation materials, including fittings, pipe insulation, and packings; flooring materials, including vinyl tile and sheet flooring; and miscellaneous materials, including mastics, ceiling tile, vinyl baseboards, and other materials. Fire doors and other materials that when sampled would destroy the material's integrity, were assumed to be ACBM.

EA does not guarantee the absence of asbestos potentially contained in the buildings materials located in inaccessible areas or in samples analyzed by the method described herein, nor does EA accept liability if such is found at some future time or could have been found if destructive inspection was conducted or if other analytical methods were used.

2. SCOPE OF WORK

The purpose of the Asbestos Inspection was to identify and assess the condition of ACBM in the building. Project activities included systematic facility inspections consisting of visual survey of accessible areas for suspect ACBM, sampling and analysis in order to assess type and content of asbestos in suspect materials, and documentation of inspection information.

The LEA used, and will use, asbestos inspectors to conduct the inspection and used, and will use, persons that have been accredited by and EPA approved course under 206(c) of Title II of TSCA for the design and to carry out response actions, except for operations and maintenance.

Inspection documentation was recorded on Asbestos Inspection Forms, and included homogeneous area number; suspect ACBM description; suspect ACBM type (surfacing, thermal, or miscellaneous), total quantity, and location; and sample information. In addition, the current physical condition and potential for future disturbance and/or damaged of suspect ACBM identified during the survey was assessed, addressing such factors as causal conditions of visible damage, physical setting in relation to potential damage-causing elements, and friability. These factors form the basis of the hazard ranking of each suspect asbestos-containing material confirmed as containing asbestos, presented in Section 4 of this report. The assignment of a hazard ranking was conducted in accordance with AHERA prescribed methodology.

The Scope of Work also included design of an Asbestos Database to catalog and organize information collected during the Asbestos Inspection, and generated through laboratory analysis of submitted samples of suspect ACBM. The Asbestos Database allows the user to manipulate survey data by school number, floor number, room number, homogeneous area number, and sample number within a building, and identifies sample locations, analytical results, exposure potential as measured by hazard ranking, and ACBM quantities. In addition, homogeneous area-specific information consisting of recommended abatement action and estimated removal and replacement costs is presented for each homogeneous area identified during the inspection.

3. METHODOLOGY

3.1 INSPECTION

3.1.1 Documentation

Two designated Asbestos Inspection Forms (Appendix A) were utilized to document pertinent inspection information including sample data, homogeneous area descriptions, and assessment parameters. These forms were used in conjunction with supporting field note documentation to aid in assessing removal costs and identifying circumstances that may impede abatement operations. The forms fully document information for each sample of suspect material collected.

The first form utilized by the inspectors was Asbestos Survey Data Form – Form B. During the walkthrough inspection, Form B was used by the inspectors to record the quantity of each suspect homogenous area in each room. Assessments of the quantity of materials were made by estimated lengths, widths, heights, and diameters. Form B was also used to record locations of significantly damaged suspect ACBM and to identify areas of the building that were not inspected and the reasons why.

The second form that the inspectors used was Asbestos Survey Data Form – Form A. On this form, the inspectors noted the following information for each homogeneous area: homogeneous area number, description of material, material type, total quantity, location by floor and room, friability, condition, potential for disturbance, and sample number and location. This information allowed the building inspector to accurately and efficiently categorize the material type, condition, and damage potential in accordance with the requirements established by AHERA.

Drawings were used when available, and when providing sufficient detail, during sampling to show sample locations and locations.

The surveying and sampling was conducted by a two-person team. The accredited asbestos inspector of the two-person team conducted a visual walk-through survey of accessible areas of the building to identify, quantify, and assess suspect ACBM. Accessible areas of the building that were inspected included, but were not limited to, mechanical rooms, rest rooms, class rooms, offices, accessible pipe chases, basements, areas above drop and accessible suspended ceilings, and other accessible areas containing suspect ACBM. Inaccessible areas of the building included areas above fixed ceilings (plaster, sheetrock, splined, etc.) and areas in which access presented a health and safety hazard. Sample sites that could be safely accessed were chosen from the accessible building areas.

ACBM may be found in, but not limited to, the following applications: sprayed-on thermal system insulation and fire proofing, ceiling textures, acoustical surfacing material, pipe and boiler insulation, water tank insulation, duct insulation, wallboard, ceiling tile, roofing, floor tile, mastic, stucco, siding/asbestos cement board (Transite), cove molding, fire proofing material, etc. Dimensions of suspect asbestos materials were measured and quantities reported. EA

personnel selected sample sites within the buildings that best represented the homogeneous areas (i.e., those areas that appear to be the same in size, usage, color, texture, etc.) to be sampled.

3.1.2 Bulk Sampling

3.1.2.1 Sample Collection

Bulk samples were taken in accordance with guidelines provided in 40 CFR Part 763 and in the EPA publication *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Material* in a manner so as to minimize disruption of the function or appearance of the surface. The building inspectors complied with the sampling requirements for the various types of materials as specified in 40 CFR Part 763.86.

Depending upon material condition and location, sample collection was performed by a building inspector wearing a half-face or full-face high efficiency particulate air (HEPA) air purifying respirator. Building inspectors complied with the respiratory protection requirements of EA's Corporate Safety and Health Program Manual and the Site-Specific Safety, Health, and Emergency Response Plan for Asbestos Sampling. Compliance with these protocols ensured compliance with 29 CFR Part 1926.103, Respiratory Protection, and 29 CFR 1926.1101(h), Asbestos Respiratory Protection.

For safety reasons, room occupants were requested to temporarily vacate the area while samples were being collected. EA sampled in two-person teams. While one person took a sample, the second person's duty was to prevent others from accessing the room or area. Locations where samples were collected were sealed with an encapsulant, spray paint, and/or duct tape when required to maintain structural integrity.

Building inspectors collected samples after assessing material condition and quantities. Bulk samples were representative of the suspect material and were sufficient enough in quantity to allow proper analysis. To be sure that a sample was representative, the inspector used a coring device or knife to obtain a sample from the surface through to the substrate. The sample size depended on the thickness and application of suspect ACBM. The sampling procedure consisted of the following steps:

- Step 1. Select sample site based on homogeneity, localized damage, accessibility, and inconspicuous locations of suspect ACBM
- Step 2. Don respirator and rubber gloves. When required, put on suitable protective clothing to prevent contamination of street clothing.
- Step 3. Wet surface to be sampled.
- Step 4. Remove sample.
- Step 5. Immediately place sample in sample container.

- Step 6. Seal disturbed area with encapsulant, spray paint, and/or duct tape.
- Step 7. Clean up any fallen debris.
- Step 8. Label container.
- Step 9. Note sample on Asbestos Inspection Form.
- Step 10. Identify sample information on Chain-of-Custody Form.

Field team members collected a variety of suspect ACBM samples throughout the interior of the building. It was left up to the inspector's discretion to determine "how to" collect each sample, since no two material locations are sampled in exactly the same way.

Precautions were taken during sample collection to minimize the risk of exposure to inspection personnel and/or occupants of the building. Samples were collected while the immediate area was unoccupied. Inspection personnel wore appropriate protective equipment. Debris that was generated due to sampling was picked up using wet methods, and disposed of according to District of Columbia (DC) and Federal regulations.

Practices that were incorporated during sampling included using a plastic drop cloth; adequately wetting the sample area using amended water to alleviate dust generation; wet-wiping the sampling tools to prevent cross contamination; repairing sample sites with encapsulant, spray paint, and/or duct tape; and collecting samples in pre-labeled, air-tight, rigid containers.

Table 3-1 lists the minimum number of samples collected for different suspect ACBM categories. Sample locations were randomly selected.

TABLE 3-1 BULK MATERIAL SAMPLING STRATEGY

Type of Material	Quantity	Units ^a	No. of Samples ^b
Friable Surfacing	<1,000	SF	3
	1,000 to 5,000	SF	5
	>5,000	SF	7
Pipe Insulation	System	LF	3
Pipe Fittings	System	EA.	1-3
Miscellaneous Materials (Ceiling Tile, Floor Tile, etc.)	<1,000	SF	1
	1,000 to 5,000	SF	2
	>5,000	SF	3

^a Unit abbreviations: LF = linear feet, SF = square feet, EA. = each.

^b The values represent minimum quantities of samples to be collected.

Samples were taken from areas in a manner so as to minimize disruption of the function or appearance of the surface.

The inspection team reinstalled standard drop-in and spline type ceiling panels removed during sampling.

Insulation samples were collected in mechanical rooms, or other easily accessible areas where insulation was present.

Wallboard (drywall) samples were collected in closets or inconspicuous areas. At least one sample of the composite wallboard system, including wall spackling material and multiple layers of wallboard when present, was collected from each homogeneous area of wallboard.

Carpeting was pulled back to check for suspect floor covering and to sample carpet mastic.

Interior wall samples were collected in closets or inconspicuous areas.

Pipe insulation samples were collected from the ends of the pipe or from damaged areas when possible. Otherwise, core samples were collected. At least three samples were collected per homogeneous area/system.

Linoleum sheeting and vinyl tile samples were collected from damaged areas, corners, or in inconspicuous locations. The mastic that holds the material in place was also sampled.

Ceiling samples were collected in the corner of the room, in closets, or other inconspicuous locations.

Flex duct connectors or vibration dampener samples were collected from edges or from loose strands of the material.

Roof material was not inspected or sampled. However, roofs were accessed as needed in order to inspect for other suspect ACBM.

Suspect insulating materials were collected from pipes, the exterior and/or interior of ducts, and in attic spaces.

The interior and exterior doors of each building were examined to assess whether they were fire doors. Samples were not collected from fire doors as no accessible core material was present. EA did not disassemble or damage doors.

The number of samples collected from various materials was in accordance with Table 3-1, when possible.

Each sample was identified on the sample container label, which consisted of an alpha-numeric code unique to each sample. The alpha-numerical code included the school number and a

two-digit, one letter sample number for that particular sample location. For example, number 000-01A is the first sample from homogeneous area 1 in School 000.

At the time of collection, samples were placed in labeled, air-tight containers. At the completion of sampling, containers were placed in plastic bags, which, in turn, were sealed inside appropriate-sized cardboard boxes. The chain-of-custody form was enclosed inside the cardboard box.

Identical sample identification codes were used on the Asbestos Inspection Form, building drawings, and on the laboratory chain-of-custody form.

3.1.2.2 Chain-of-Custody

Prior to the close of each business day, EA inspectors completed the EA chain-of-custody form (Appendix B) for samples collected during that day. This document was utilized for tracking all samples being collected and transported to the accredited asbestos laboratory. The intent of the chain-of-custody procedure is as follows:

- Ensure that samples are handled appropriately.
- Ensure that designated personnel obtain custody of the samples.
- Verify receipt of the actual samples collected and the correct number of samples collected.
- Ensure that samples accepted by the laboratory are untampered, intact, and in as-packaged condition.

Chain-of-custody forms, which were completed and signed by the inspectors at the end of each business day, were placed in the secondary bags with the samples.

Prior to shipment, each sample container was placed in a plastic bag for double containment. Each secondary containment bag contained the samples from a particular building and completed chain-of-custody forms. The bags were then placed in rigid containers for delivery via common courier to the appropriate analytical laboratories. Proper labels were affixed to each sample canister.

Bulk samples were received, logged, and analyzed in a National Voluntary Laboratory Accreditation Program (NVLAP)/American Industrial Hygiene Association (AIHA) accredited laboratory, strictly in accordance with the written, approved laboratory operations manual.

The laboratory coordinator or his designated representative was responsible for receipt and acceptance of samples submitted to the laboratory. Upon receipt of samples the following steps were followed:

- Step 1. The receiver inspected each package for damage to ensure that the seal was undisturbed.
- Step 2. If damage was evident or if the seal was broken, the receiver did not submit the affected samples for analysis until the matter was resolved to the satisfaction of the receiver.
- Step 3. Upon acceptance of each package, the receiver signed and dated the chain-of-custody information on behalf of the laboratory facility.

Once samples were properly received, the laboratory coordinator logged-in the samples. A log-in report was then provided to the laboratory supervisor so that work assignments and schedules could be developed.

Upon receipt at the laboratory, the security and condition of each package was verified. Upon acceptance of the package, each sample received was cross-checked with those indicated as being collected at the bottom of the form.

The chain-of-custody became a permanent part of the project data. Throughout the process, efforts were made to minimize the number of personnel involved in transferring samples.

3.1.2.3 Laboratory Analysis

The laboratory selected for this survey is accredited by the National Institute of Science and Technology's (NIST's) NVLAP and by the AIHA.

The primary samples were sent to AMA Analytical. Bulk samples were analyzed for mineral composition using Polarized Light Microscopy with dispersion staining (PLM/DS). This analysis was performed in accordance with "Interim Method for Determination of Asbestos in Bulk Insulation Samples," EPA-600-M4-82-020.

Analytical results for each sample indicate the following:

- Name of analyst
- Date of analysis
- Project identification
- Sample description
- Asbestos content (percent), if present
- Type of asbestos, if present
- Matrix composition

A positive stop was utilized by the laboratory for multiple samples of a given homogeneous area (i.e., if the first sample from a series of samples representing a given homogeneous area was positive for asbestos, the other samples in that series were not analyzed).

3.2 HAZARD ASSESSMENT

In accordance with AHERA methodology, for each ACBM area, the inspector assessed the current condition of the material and classified it into categories defined in "Asbestos-Containing Materials in Schools; Final Rule and Notice" (40 CFR Part 763.88). The level of potential disturbance was then assigned based on definitions for accessibility, potential for contact, influence of vibration, and potential for air disturbance.

Finally, the inspector assigned a Hazard Rank by combining the condition and potential for disturbance factors on the as shown below:

<u>Hazard Rank</u>	<u>Category</u>	<u>Description</u>
7	2	Significantly damaged friable (surfacing ACBM or miscellaneous ACBM)
6	1	Damaged or significantly damaged thermal system insulation (TSI)
5	3	Damaged friable (surfacing ACBM or miscellaneous ACBM)
4	5	Friable (surfacing ACBM or miscellaneous ACBM or TSI) with potential for significant damage
3	4	Friable (surfacing ACBM or miscellaneous ACBM or TSI) with potential for damage
2	6	All other friable ACBM, suspect friable ACBM
1	7	All other non-friable surfacing or miscellaneous material

This assessment was used by a management planner to identify the response actions required for each homogeneous area of confirmed or assumed ACBM.

3.3 COST ESTIMATE

An estimated removal and replacement cost is presented in the asbestos database tables for each homogeneous area confirmed or assumed as asbestos-containing. Table 3-2 defines the unit costs for removal and replacement applied to the total quantity of material within a homogeneous area. The cost estimate is derived by multiplying the appropriate unit cost by the quantity. These cost estimates are applicable only when abatement is done on a large scale or when several smaller abatement jobs are done at the same time. For very small jobs, a minimum charge will likely be applied.

TABLE 3-2 UNIT COSTS FOR REMOVAL AND REPLACEMENT OF ACBM

Material Type	Removal Cost^a	Replacement Cost^a
Floor Tile	\$2.25/SF	\$1.90/SF
Floor Tile Mastic	\$4.30/SF	\$1.90/SF
Fire Doors	\$75.00 EA.	\$75.00EA.
Roofing	\$4.50/SF	\$4.50/SF
Pipe Insulation	\$12.00/LF	\$9.00/LF
Cementitious Fitting Insulation	\$15.00 EA.	\$10.50 EA.
Window Caulk	\$9.00/LF	\$5.40/LF
Ceiling Tile	\$4.50/SF	\$3.00/SF
Ceiling Tile Mastic	\$4.50/SF	\$3.00/SF
Vinyl Sheet Flooring	\$2.25/SF	\$1.90/SF
Vinyl Sheet Flooring Mastic	\$4.30/SF	\$1.90/SF
Baseboard Mastic	\$1.50/LF	\$1.00/LF
Leveling Compound	\$6.55/SF	\$1.90/SF
Packing Material	\$12.00/LF	\$9.00/LF
Carpet Mastic	\$4.30/SF	\$1.90/SF
Vinyl Baseboard	\$1.50/LF	\$1.00/LF
Cementitious Sealant on Fiberglass Insulation	\$1.50/LF	\$1.00/LF
Asphalt Sealer (chiller pipe)	\$12.00/LF	\$9.00/LF
Tar Compound Ceiling Material Over Styrofoam	\$4.30/SF	\$1.90/SF
Stair Tread Mastic	\$4.30/SF	\$1.90/SF
Rubber Corner Cover Mastic	\$1.50/LF	\$1.00/LF
Concrete Block Asphalt Sealer	\$4.30/SF	\$1.90/SF

^a Unit costs representative of average obtained from three asbestos abatement contractors.

3.4 ASBESTOS RESULTS

The laboratory submitted a final report including the type and percent of asbestos, project identification, the date of analysis, matrix composition, analyst's name, method, and sample description. Copies of Certificates of Analysis are attached as Appendix C to the back of this report.

Asbestos survey results consist of three forms in table format generated by the Asbestos Database. See Section 3.4, "Asbestos Database," for an explanation of each form.

3.5 ASBESTOS DATABASE

Information collected during the asbestos inspection, and generated through laboratory analysis of submitted samples of suspect ACBM, was input to a database designed to catalog and organize survey data for all DCPS. The database allows the user to manipulate survey data by school number, floor number, room number, homogeneous area number, and sample number within a building, and identifies sample locations, analytical results, exposure potential as measured by hazard ranking, and suspect ACBM quantities. In addition, homogeneous area-

specific information consisting of recommended abatement action and estimated removal and replacement costs is presented for each homogeneous area confirmed or assumed as ACBM identified during the survey. Four forms, in table format, are generated by the Asbestos Database in order to display this information:

Table 1 – Data Summary Form. Summarizes survey data for each school specific to school number, homogeneous area number, material type (thermal, surfacing or miscellaneous), material location and quantity (by floor and room), friability, and hazard ranking.

Table 2 – Sample Location/Results Summary. Summarizes survey data for each school specific to school number, homogeneous area number, sample number, sample location, and analytical result (percent composition and type of asbestos).

Table 3 – Asbestos Management/Cost Summary. Summarizes survey data for each school specific to school number, homogeneous area number, suspect material description, total quantity by building, estimated removal cost by homogeneous area, estimated replacement cost by homogeneous area, and information concerning significantly damaged ACBM.

Table 4 – Damaged and Significantly Damaged ACBM. Summarizes survey data for each school specific to school number, homogeneous area number, suspect material description and quantity, and comments regarding damaged material.

The database is capable of various levels of data manipulation including capabilities for showing changes in ACBM resulting from abatement, demolition, conducting response actions, additional damage, etc., and can be adapted and updated to reflect observations made during routine inspections of the various materials.

4. DATA AND RESULTS

Results of school-specific sampling and descriptions of homogeneous areas of suspect ACBM identified during the survey are included on four forms, in table format, generated by the asbestos database.

Table 1 – Data Summary Form. Summarizes survey data for each school specific to school number, homogeneous area number, material type (thermal, surfacing or miscellaneous), material description, material location and quantity (by floor and room), friability, and hazard ranking.

Definitions

- HA # = Homogeneous area number—Assigned by the inspector to identify suspect ACBM distinguished by material type (thermal system insulation, surfacing, or miscellaneous), size, color, texture, etc. One number only is assigned to each area of suspect ACBM.
- Material Type—AHERA category: S=Surfacing, M= Miscellaneous, T=Thermal
- Material Description—Describes appearance (size, color, texture, etc.) and use of ACBM which has been assigned a homogeneous area number.
- Room Quantity—Quantity of a given homogeneous material within a specific room.
- Units—sf=square feet, lf=linear feet, each=number of individual units
- Friability — Identifies whether the suspect ACBM is friable or non-friable.

Table 2 – Sample Location/Results Summary. Summarizes survey data for each school specific to school number, homogeneous area number, sample number, material description, sample location, and analytical result (percent of asbestos).

Definitions

- HA #—See above.
- Sample #—The unique identification number, assigned by the inspector to bulk samples obtained from suspect ACBM in a given building. Refer to Section 3.1.2 for full sample number definition.
- Material Description—See above.

- **Sample Location**—Indicates from which of the locations of suspected ACBM for a particular homogeneous area the sample was collected. Locations use room number designations on available drawings or assigned by the inspector referring to corresponding numbers on drawings. N=north, S=south, E=east, W=west, NE=northeast, NW= northwest, SE=southeast, SW=southwest, ft=feet
- **%ACM**—Indicates percent of asbestos contained in the submitted sample representing the respective homogenous area. NAD=no asbestos detected; SNA=sample not analyzed; assumed=sample not collected, material assumed ACBM; TR=trace. Asbestos-containing building material is a building material containing greater than 1 percent asbestos.
- **Floor Number and Room Number**—Gives the floor number and room number of sample collection.
- **Assessment Classification**—Gives the assessment category and the preventive measure and response action. See Section 1.2.3 and Table 1-1 of the Asbestos Management Plan.

Table 3 – Asbestos Management/Cost Summary. Summarizes survey data for each asbestos-containing material specific to school number, homogeneous area number, suspect material description, total quantity by school, estimated removal cost by homogeneous area, estimated replacement cost by homogeneous area, and hazard ranking.

Definitions

- **HA #**—See above.
- **Material Description**—See above.
- **Category of Assessment**—Represents one of seven categories assigned by the inspector. See Section 3.2.
- **Response Action**—See Asbestos Management Plan Section 1.2.3.
- **Removal Cost**—See Section 3.3.
- **Replacement Cost**—See Section 3.3.
- **Hazard Ranking**—Identifies into which of seven categories the ACBM was assigned. ACBM assigned a Hazard Rank of 7 will be abated first, a Hazard Rank of 6 will be abated next, etc.

Table 4 – Damaged and Significantly Damaged Areas. Summarizes survey data for each school specific to school number, homogeneous area number containing damage, material description and quantity of damaged area, and comments regarding damaged material.

Definitions

- HA #—See above.
- Material Description—See above.
- Room Quantity—Quantity of damage of a given homogeneous material.
- Units—sf=square feet, lf=linear feet, each=number of individual units
- Comments—Description of the damaged area.

The indexed sections include the following information for each school:

- School description
- Findings
- ACBM hazards
- Total removal and replacement cost
- Recommendations
- Table 1 – Data Summary Form
- Table 2 – Sample Location/Results Summary
- Table 3 – Asbestos Management/Cost Summary
- Table 4 – Damaged and Significantly Damaged ACBM
- Sample location drawings

SCHOOL 227 H.D. Cooke Elementary School

SCHOOL DESCRIPTION

H.D. Cooke Elementary School is located on 17th Street in the Adams Morgan residential neighborhood. The building was originally constructed in 1909, and there has been a major addition added since.

FINDINGS

Fifty-nine suspect asbestos-containing materials (SACM) were observed during the survey of this school. Seven of these materials were confirmed as asbestos-containing through polarized light microscopy (PLM) analysis, and nineteen were assumed ACM. The database forms following this narrative list school-specific asbestos inspection, hazard assessment, and asbestos management information.

The types of asbestos-containing material (ACM) identified in School 227 are:

- 9"x9" vinyl floor tile (6)
- Mastic associated with 9"x9" vinyl floor tile (6)
- 12"x12" vinyl floor tile (2)
- Mastic associated with 12"x12" vinyl floor tile (4)
- Tile grout (2)
- Vinyl Sheeting
- Mastic associated with vinyl sheeting
- Pipe insulation
- Cementitious fitting
- Terrazzo
- Ceiling tile

At the time of the survey, damaged and friable material was identified in isolated areas. See Table 4.

REMOVAL AND REPLACEMENT COST

The total removal and replacement cost for ACBM identified in School 227 is \$321,551.75. The individual removal and replacement cost for each homogeneous area of ACBM can be found in Table 3, "Asbestos Management/Cost Summary."

RECOMMENDATIONS

The damaged and significantly damaged ACBM identified in Table 4 should be abated and the materials maintained in good condition through inclusion in an O&M program.

All other ACBM identified in School 227 should also be included in an O&M program.

Because asbestos content in vinyl flooring materials may be misidentified due to resolution limitations of PLM and/or interference from matrix components, vinyl flooring materials reported as containing a “trace” or <1% asbestos, or reported as non-asbestos, should be considered for additional analysis via TEM prior to maintenance activities involving their disturbance. TEM analysis will provide assurance of actual asbestos content.

TABLE 1

ASBESTOS DATA SUMMARY FORM

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	3	308	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	2	203	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	5	SF	2	NEW WING HALL	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	2	200	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	2	202	NON-FRIABLE
227	01	227-01B	M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	2100	SF	2	MAIN HALL	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	790	SF	3	307	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	280	SF	3	PRINCIPAL OFFICE	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	3	302	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	3	303	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	794	SF	3	305	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	3	309	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	3	NURSE SUITE	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	1200	SF	ALL	MAIN STAIRS	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	3	301	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	836	SF	2	204	NON-FRIABLE
227	01	227-01A	M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	2100	SF	3	MAIN HALL	NON-FRIABLE
227	01		M	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND WHITE SPECKS	820	SF	3	300	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	3	301	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	3	309	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	280	SF	3	PRINCIPAL OFFICE	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	794	SF	3	305	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	3	303	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	820	SF	3	300	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	790	SF	3	307	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	5	SF	2	NEW WING HALL	NON-FRIABLE
227	02	227-02A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	2100	SF	3	MAIN HALL	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	3	NURSE'S SUITE	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	3	308	NON-FRIABLE
227	02	227-02C	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	1200	SF	ALL	MAIN STAIRS	NON-FRIABLE
227	02	227-02B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	2100	SF	2	MAIN HALL	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	2	204	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	2	202	NON-FRIABLE

Table 1. Data Summary Form*05-May-99*

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	2	200	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	3	302	NON-FRIABLE
227	02		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	836	SF	2	203	NON-FRIABLE
227	03		S	Plaster, WHITE, ,	198	SF	2	NEW WING GIRLS ROOM	FRIABLE
227	03		S	Plaster, WHITE, ,	198	SF	3	NEW WING BOYS ROOM	FRIABLE
227	03	227-03c	S	Plaster, WHITE, ,	6500	SF	3	MAIN HALL	FRIABLE
227	03	227-03A	S	Plaster, WHITE, ,	10000	SF	1	THROUGH OUT	FRIABLE
227	03	227-03B	S	Plaster, WHITE, ,	4000	SF	ALL	MAIN STAIRS	FRIABLE
227	03	227-03G	S	Plaster, WHITE, ,	6500	SF	2	MAIN HALL	FRIABLE
227	03		S	Plaster, WHITE, ,	36	SF	3	NEW WING CUST. CLOSET	FRIABLE
227	03	227-03F	S	Plaster, WHITE, ,	36	SF	2	NEW WING CUSTODIANS CLOSET	FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	03		S	Plaster, WHITE, ,	198	SF	2	NEW WING BOYS ROOM	FRIABLE
227	03	227-03D	S	Plaster, WHITE, ,	198	SF	3	NEW WINGS GIRLS ROOM	FRIABLE
227	03	227-03E	S	Plaster, WHITE, ,	21000	SF	3	CLASS ROOMS	FRIABLE
227	03		S	Plaster, WHITE, ,	220	SF	3	BILINGUAL COUNSELOR	FRIABLE
227	03		S	Plaster, WHITE, ,	21000	SF	2	CLASS ROOMS	FRIABLE
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	100	SF	2	215A	NON-FRIABLE
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	740	SF	3	NEW WING HALL	NON-FRIABLE
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	220	SF	3	BILINGUAL COUNSELOR	NON-FRIABLE
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	740	SF	2	NEW WING HALL	NON-FRIABLE
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	630	SF	2	NEW WING LIBRARY	NON-FRIABLE
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	64	SF	2	215C	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	04		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND BEIGE STREAKS	100	SF	2	215B	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	100	SF	2	215B	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	220	SF	3	BILINGUAL COUNSELOR	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	740	SF	2	NEW WING HALL	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	630	SF	2	NEW WING LIBRARY	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	64	SF	2	215C	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	740	SF	3	NEW WING HALL	NON-FRIABLE
227	05		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 04	100	SF	2	215A	NON-FRIABLE
227	06		M	Floor Tile, GOLD, 9"X9", WITH DARK GOLD AND BEIGE STREAKS	190	SF	3	313	NON-FRIABLE
227	06		M	Floor Tile, GOLD, 9"X9", WITH DARK GOLD AND BEIGE STREAKS	190	SF	3	311	NON-FRIABLE
227	06		M	Floor Tile, GOLD, 9"X9", WITH DARK GOLD AND BEIGE STREAKS	740	SF	2	NEW WING HALL	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	06		M	Floor Tile, GOLD, 9"X9", WITH DARK GOLD AND BEIGE STREAKS	740	SF	3	NEW WING HALL	NON-FRIABLE
227	07		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 06	740	SF	2	NEW WING HALL	NON-FRIABLE
227	07		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 06	740	SF	3	NEW WING HALL	NON-FRIABLE
227	07		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 06	190	SF	3	313	NON-FRIABLE
227	07		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 06	190	SF	3	311	NON-FRIABLE
227	08		M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND GOUGES	8	SF	2	214	NON-FRIABLE
227	08	227-08A	M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND GOUGES	370	SF	3	NEW WING HALL	FRIABLE
227	08		M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND GOUGES	370	SF	2	NEW WING HALL	NON-FRIABLE
227	09	227-09A	M	Ceiling Tile, WHITE, 2'X4', WITH DOTS (CONSTELLATION PATTERN)	370	SF	3	NEW WING HALL	FRIABLE
227	09		M	Ceiling Tile, WHITE, 2'X4', WITH DOTS (CONSTELLATION PATTERN)	24	SF	2	NEW WING HALL	FRIABLE
227	09		M	Ceiling Tile, WHITE, 2'X4', WITH DOTS (CONSTELLATION PATTERN)	24	SF	2	214	FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	09		M	Ceiling Tile, WHITE, 2'X4', WITH DOTS (CONSTELLATION PATTERN)	8	SF	2	213	FRIABLE
227	10		M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACKS	370	SF	2	NEW WING HALL	NON-FRIABLE
227	10		M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACKS	16	SF	2	213	NON-FRIABLE
227	10		M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACKS	8	SF	3	313	FRIABLE
227	10	227-10A	M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACKS	370	SF	3	NEW WING HALL	FRIABLE
227	10		M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACKS	8	SF	2	NEW WING LIBRARY	NON-FRIABLE
227	11		M	Tile Grout, GRAY, , UNDER 1"X1" CERAMIC FLOOR TILE	198	SF	3	NEW WING GIRLS ROOM	NON-FRIABLE
227	11		M	Tile Grout, GRAY, , UNDER 1"X1" CERAMIC FLOOR TILE	198	SF	2	NEW WING BOYS ROOM	NON-FRIABLE
227	11		M	Tile Grout, GRAY, , UNDER 1"X1" CERAMIC FLOOR TILE	198	SF	2	NEW WING GIRLS ROOM	NON-FRIABLE
227	11		M	Tile Grout, GRAY, , UNDER 1"X1" CERAMIC FLOOR TILE	36	SF	2	NEW WING CUST. CLOSET	NON-FRIABLE
227	11		M	Tile Grout, GRAY, , UNDER 1"X1" CERAMIC FLOOR TILE	198	SF	3	NEW WING BOYS ROOM	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	11		M	Tile Grout, GRAY, , UNDER 1"X1" CERAMIC FLOOR TILE	36	SF	3	NEW WING CUST. CLOSET	NON-FRIABLE
227	12	227-12B	M	Floor Tile, GREEN, 12"X12", WITH DARK YELLOW, AND DARK GREEN, AND WHITE SPECKS	704	SF	2	206	NON-FRIABLE
227	12		M	Floor Tile, GREEN, 12"X12", WITH DARK YELLOW, AND DARK GREEN, AND WHITE SPECKS	112	SF	3	TEACHERS WOMENS ROOM	NON-FRIABLE
227	12	227-12A	M	Floor Tile, GREEN, 12"X12", WITH DARK YELLOW, AND DARK GREEN, AND WHITE SPECKS	630	SF	3	314	NON-FRIABLE
227	13	227-13B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 12	704	SF	2	206	NON-FRIABLE
227	13	227-13A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 12	630	SF	3	314	NON-FRIABLE
227	13		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 12	112	SF	3	TEACHERS WOMENS ROOM	NON-FRIABLE
227	14		M	Floor Tile, TAN, 9"X9", WITH BROWN AND BEIGE STREAKS	836	SF	1	100	NON-FRIABLE
227	14		M	Floor Tile, TAN, 9"X9", WITH BROWN AND BEIGE STREAKS	380	SF	3	311	NON-FRIABLE
227	14		M	Floor Tile, TAN, 9"X9", WITH BROWN AND BEIGE STREAKS	380	SF	3	313	NON-FRIABLE
227	15		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 14	836	SF	1	100	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	15		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 14	380	SF	3	311	NON-FRIABLE
227	15		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 14	380	SF	3	313	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	132	SF	2	206 CLOAK ROOM	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	836	SF	2	209	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	630	SF	2	212	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	630	SF	2	213	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	630	SF	2	214	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	132	SF	2	205 CLOAK ROOM	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	190	SF	3	313	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	220	SF	3	NURSE'S SUITE	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	190	SF	3	311	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	630	SF	3	310	NON-FRIABLE
227	16		M	Floor Tile, GREEN, 9"X9", WITH DARK GREEN AND WHITE STREAKS	630	SF	3	312	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	220	SF	3	NURSE'S SUITE	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	630	SF	2	212	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	630	SF	2	213	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	630	SF	2	214	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	836	SF	2	209	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	190	SF	3	313	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	132	SF	2	206 CLOAK ROOM	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	132	SF	2	205 CLOAK ROOM	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	190	SF	3	311	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	630	SF	3	310	NON-FRIABLE
227	17		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 16	630	SF	3	312	NON-FRIABLE
227	18		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND WHITE SHORT STREAKS	40	SF	3	315C	NON-FRIABLE
227	18		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND WHITE SHORT STREAKS	100	SF	3	315A	NON-FRIABLE
227	18		M	Floor Tile, BROWN, 9"X9", WITH DARK BROWN AND WHITE SHORT STREAKS	100	SF	3	315B	NON-FRIABLE
227	19		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 18	40	SF	3	315C	NON-FRIABLE
227	19		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 18	100	SF	3	315A	NON-FRIABLE
227	19		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 18	100	SF	3	315B	NON-FRIABLE
227	20		M	Floor Tile, BLACK, 9"X9", BORDER TILE	24	SF	3	315C	NON-FRIABLE
227	20		M	Floor Tile, BLACK, 9"X9", BORDER TILE	12	SF	3	315A	NON-FRIABLE
227	20		M	Floor Tile, BLACK, 9"X9", BORDER TILE	12	SF	3	315B	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	21		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 20	12	SF	3	315A	NON-FRIABLE
227	21		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 20	24	SF	3	315C	NON-FRIABLE
227	21		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 20	12	SF	3	315B	NON-FRIABLE
227	22	227-22B	M	Wall Board, WHITE, ,	160	SF	2	215A, 215B, & 215C	NON-FRIABLE
227	22		M	Wall Board, WHITE, ,	1800	SF	2	MAIN HALL	NON-FRIABLE
227	22	227-22A	M	Wall Board, WHITE, ,	160	SF	36	315A & 315B	NON-FRIABLE
227	23	227-23B	M	Floor Tile, RED, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	836	SF	2	201	NON-FRIABLE
227	23		M	Floor Tile, RED, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	242	SF	3	MAIN HALL	NON-FRIABLE
227	23	227-23A	M	Floor Tile, RED, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	154	SF	3	301A	NON-FRIABLE
227	24	227-24B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 23	836	SF	2	201	NON-FRIABLE
227	24	227-23A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 23	154	SF	3	301A	NON-FRIABLE

Table 1. Data Summary Form*05-May-99*

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	24		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 23	242	SF	3	MAIN OFFICE	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	45	SF	1	KITCHEN	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	10	SF	3	NURSE'S SUITE	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	36	SF	2	201	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	36	SF	2	207	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	30	SF	2	MAIN HALL	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	30	SF	1	111	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	36	SF	1	101	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	13	SF	2	215A	NON-FRIABLE
227	25		M	Baseboard Mastic, BROWN, ,	13	SF	2	215B	NON-FRIABLE
227	25	227-25A	M	Baseboard Mastic, BROWN, ,	15	SF	3	301A	NON-FRIABLE

Table 1. Data Summary Form*05-May-99*

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	26		M	Floor Tile, GREEN, 12"X12", WITH DARK GREEN AND LIGHT GREEN SPECKS	16	SF	3	300	NON-FRIABLE
227	27		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 26	16	SF	3	300	NON-FRIABLE
227	28	227-28A	M	Floor Tile, OFF WHITE, 12"X12", WITH DARK ORANGE/BROWN, OLIVE, AND WHITE SPECKS	6	SF	3	305 CLOAK ROOM	NON-FRIABLE
227	28		M	Floor Tile, OFF WHITE, 12"X12", WITH DARK ORANGE/BROWN, OLIVE, AND WHITE SPECKS	10	SF	3	307 CLOAK ROOM	NON-FRIABLE
227	29		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 28	10	SF	3	307 CLOAK ROOM	NON-FRIABLE
227	29	227-29A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 28	6	SF	3	305 CLOAK ROOM	NON-FRIABLE
227	30		M	Floor Tile, LIGHT TAN, 12"X12", WITH ORANGE/BROWN, AND BEIGE SPECKS	3	SF	3	MAIN HALL	NON-FRIABLE
227	30	227-30A	M	Floor Tile, LIGHT TAN, 12"X12", WITH ORANGE/BROWN, AND BEIGE SPECKS	12	SF	2	MAIN HALL	NON-FRIABLE
227	30		M	Floor Tile, LIGHT TAN, 12"X12", WITH ORANGE/BROWN, AND BEIGE SPECKS	500	SF	1	104	NON-FRIABLE
227	31		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 30	500	SF	1	104	NON-FRIABLE
227	31		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 30	3	SF	3	MAIN HALL	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	31	227-31A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 30	12	SF	2	MAIN HALL	NON-FRIABLE
227	32		M	Terrazzo, BEIGE, , WITH ORANGE AND WHITE CHIPS	112	SF	3	TEACHERS MENS ROOM	NON-FRIABLE
227	32		M	Terrazzo, BEIGE, , WITH ORANGE AND WHITE CHIPS	112	SF	3	TEACHERS WOMENS ROOM	NON-FRIABLE
227	32		M	Terrazzo, BEIGE, , WITH ORANGE AND WHITE CHIPS	300	SF	2	MAIN LOBBY	NON-FRIABLE
227	33		M	Tile Grout, GRAY, , UNDER 3"X3" CERAMIC WALL TILE	180	SF	3	NURSE'S REST ROOM	NON-FRIABLE
227	34	227-34A	M	Floor Tile, LIGHT GRAY, 12"X12", WITH DARK BROWN AND GRAY AND WHITE SPECKS	10	SF	3	MAIN HALL	NON-FRIABLE
227	34		M	Floor Tile, LIGHT GRAY, 12"X12", WITH DARK BROWN AND GRAY AND WHITE SPECKS	15	SF	2	MAIN HALL	NON-FRIABLE
227	35		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 34	15	SF	2	MAIN HALL	NON-FRIABLE
227	35	227-35A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 34	10	SF	3	MAIN HALL	NON-FRIABLE
227	36	227-36A	M	Floor Tile, WHITE, 12"X12", WITH LIGHT GRAY AND GRAY SPECKS	2	SF	3	MAIN HALL	NON-FRIABLE
227	36		M	Floor Tile, WHITE, 12"X12", WITH LIGHT GRAY AND GRAY SPECKS	3	SF	2	MAIN HALL	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	37	227-37A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 36	2	SF	3	MAIN HALL	NON-FRIABLE
227	37		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 36	3	SF	2	MAIN HALL	NON-FRIABLE
227	38	227-38A	M	Floor Tile, GRAY, , WITH BLACK AND WHITE MARBLED PATTERN	704	SF	2	208	NON-FRIABLE
227	39	227-39A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 38	704	SF	2	208	NON-FRIABLE
227	40		M	Cloth Wrap, WHITE, , PIPE WRAP	100	SF	1	BOILER ROOM	NON-FRIABLE
227	40	227-40A	M	Cloth Wrap, WHITE, , PIPE WRAP	100	SF	1	MAINT. OFFICE	NON-FRIABLE
227	40		M	Cloth Wrap, WHITE, , PIPE WRAP	40	SF	2	MAIN HALL	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	15	LF	2	207 CLOAK ROOM	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	30	LF	2	208 CLOAK ROOM	NON-FRIABLE
227	41	227-41A	T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	7	LF	2	MAIN HALL	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	180	LF	1	101	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	180	LF	1	100	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	120	LF	1	102	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	150	LF	1	103	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	100	LF	1	GIRLS REST ROOM	NON-FRIABLE
227	41	227-41B	T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	160	LF	1	AUDITORIUM	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	30	LF	1	106	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	200	LF	1	105	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	150	LF	1	104	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	100	LF	1	BOYS REST ROOM	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	200	LF	1	111	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	15	LF	1	KITCHEN STORAGE	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	250	LF	1	KITCHEN	NON-FRIABLE
227	41	227-41C	T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	180	LF	1	MAIN HALL	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	7	LF	1	205 CLOAK ROOM	NON-FRIABLE
227	41		T	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	15	LF	2	203 CLOAK ROOM	NON-FRIABLE
227	42		M	Floor Tile, BLACK, 12"X12", WITH DARK BLACK AND LIGHT BLACK SPECKS	900	SF	1	KITCHEN	NON-FRIABLE
227	42	227-42A	M	Floor Tile, BLACK, 12"X12", WITH DARK BLACK AND LIGHT BLACK SPECKS	704	SF	2	205	NON-FRIABLE
227	42	227-42B	M	Floor Tile, BLACK, 12"X12", WITH DARK BLACK AND LIGHT BLACK SPECKS	370	SF	1	AUDITORIUM	NON-FRIABLE
227	43	227-43A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 42	704	SF	2	205	NON-FRIABLE
227	43	227-43B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 42	370	SF	1	AUDITORIUM	NON-FRIABLE
227	43		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 42	900	SF	1	KITCHEN	NON-FRIABLE
227	44	227-44B	M	Floor Tile, WHITE, 12"X12", WITH GRAY AND GREEN FLECKS	1440	SF	1	AUDITORIUM	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	44		M	Floor Tile, WHITE, 12"X12", WITH GRAY AND GREEN FLECKS	975	SF	1	MAIN HALL	NON-FRIABLE
227	44	227-44A	M	Floor Tile, WHITE, 12"X12", WITH GRAY AND GREEN FLECKS	836	SF	2	207	NON-FRIABLE
227	45	227-45B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 44	1440	SF	1	AUDITORIUM	NON-FRIABLE
227	45		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 44	975	SF	1	MAIN HALL	NON-FRIABLE
227	45	227-45A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 44	836	SF	2	207	NON-FRIABLE
227	46	227-46A	M	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACK PATTERN	370	SF	2	NEW WING HALL	FRIABLE
227	47	227-47A	M	Floor Tile, OFF WHITE, 12"X12", WITH ORANGE BROWN AND OLIVE SPECKS	1790	SF	1	AUDITORIUM	NON-FRIABLE
227	47	227-47B	M	Floor Tile, OFF WHITE, 12"X12", WITH ORANGE BROWN AND OLIVE SPECKS	0	SF	1	AUDITORIUM	NON-FRIABLE
227	48	227-48B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 47	0	SF	1	AUDITORIUM	NON-FRIABLE
227	48	227-48A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 47	1790	SF	1	AUDITORIUM	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	25	EA	1	GIRLS ROOM	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	20	EA	1	100	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	30	EA	1	111	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	15	EA	1	102	NON-FRIABLE
227	49	227-49C	T	Cementitious Fitting, GRAY, 3"-4" O.D.,	20	EA	1	103	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	20	EA	1	101	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	2	EA	1	106	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	40	EA	1	105	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	20	EA	1	BOYS REST ROOM	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	1	EA	1	KITCHEN STORAGE	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	50	SF	1	KITCHEN	NON-FRIABLE
227	49	227-49B	T	Cementitious Fitting, GRAY, 3"-4" O.D.,	15	EA	1	MAIN HALL	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	49	227-49A	T	Cementitious Fitting, GRAY, 3"-4" O.D.,	20	EA	1	AUDITORIUM	NON-FRIABLE
227	49		T	Cementitious Fitting, GRAY, 3"-4" O.D.,	20	EA	1	104	NON-FRIABLE
227	50		M	Floor Tile, LIGHT GREEN, 12"X12", WITH ORANGE, BROWN AND WHITE SPECKS	15	SF	1	KITCHEN	NON-FRIABLE
227	50	227-50A	M	Floor Tile, LIGHT GREEN, 12"X12", WITH ORANGE, BROWN AND WHITE SPECKS	800	SF	1	102	NON-FRIABLE
227	51		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 50	15	SF	1	KITCHEN	NON-FRIABLE
227	51	227-51A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 50	800	SF	1	102	NON-FRIABLE
227	52		M	Floor Tile, ORANGE/BROWN, 12"X12", WITH SPECKS	6	SF	1	111	NON-FRIABLE
227	53		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 52	6	SF	1	111	NON-FRIABLE
227	54	227-54A	M	Floor Tile, BROWN, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	45	SF	1	MAIN HALL	NON-FRIABLE
227	54		M	Floor Tile, BROWN, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	836	SF	1	101	NON-FRIABLE
227	55		M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 54	836	SF	1	101	NON-FRIABLE

Table 1. Data Summary Form

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Type	Material Description	Room Quantity	Units	Floor Number	Room Number	Friability
227	55	227-55A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 54	45	SF	1	MAIN HALL	NON-FRIABLE
227	56	227-56A	M	Vinyl Sheeting, MAROON, , WITH BLACK STREAKS	500	SF	1	103	NON-FRIABLE
227	56	227-56B	M	Vinyl Sheeting, MAROON, , WITH BLACK STREAKS	575	SF	1	GIRLS REST ROOM	NON-FRIABLE
227	57	227-57A	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 56	500	SF	1	103	NON-FRIABLE
227	57	227-57B	M	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 56	575	SF	1	GIRLS REST ROOM	NON-FRIABLE
227	58	227-58A	T	Breeching, GRAY, 24"O.D.,	60	LF	1	BOILER ROOM	NON-FRIABLE
227	58	227-58B	T	Breeching, GRAY, 24"O.D.,	0	LF	1	BOILER ROOM	NON-FRIABLE
227	58	227-58C	T	Breeching, GRAY, 24"O.D.,	0	SF	1	BOILER ROOM	NON-FRIABLE
227	59	227-59A	T	Cementitious Fitting, GRAY, 3"O.D., ON FIBERGLASS PIPE INSULATION	100	EA	2	NEW WING	NON-FRIABLE
227	59		T	Cementitious Fitting, GRAY, 3"O.D., ON FIBERGLASS PIPE INSULATION	100	EA	3	NEW WING	NON-FRIABLE

TABLE 2

SAMPLE LOCATION/RESULTS SUMMARY

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	01	227-01B	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND	2	MAIN HALL	15' NORTH OF SOUTHEAST CORNER (NEAR ENTRANCE TO NEW WING)	TR	7A
227	01	227-01A	Floor Tile, LIGHT BROWN, 12"X12", WITH DARK BROWN, BROWN, AND	3	MAIN HALL	10' NORTH 2' WEST OF SOUTHEAST CORNER	TR	7A
227	02	227-02A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	3	MAIN HALL	10' TH 2' WEST OF SOUTHEAST CORNER	2	7A
227	02	227-02C	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	ALL	MAIN STAIRS	10' NORTH 6' EAST OF SOUTHWEST CORNER, 2ND LEVEL STAIR LANDING	NAD	7A
227	02	227-02B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 01	2	MAIN HALL	15' NORTH OF SOUTHEAST CORNER (NEAR ENTRANCE TO NEW WING)	NAD	7A
227	03	227-03E	Plaster, WHITE, ,	3	CLASS ROOMS	ROOM 308 1' WEST OF SOUTHEAST CORNER	NAD	4A
227	03	227-03G	Plaster, WHITE, ,	2	MAIN HALL	20' NORTH OF SOUTHEAST CORNER	NAD	4A
227	03	227-03A	Plaster, WHITE, ,	1	THROUGH OUT	28' SOUTH OF NORTHWEST CORNER	NAD	4A
227	03	227-03F	Plaster, WHITE, ,	2	NEW WING CUSTODIANS CLOSET	SOUTHEAST CORNER	NAD	4A
227	03	227-03B	Plaster, WHITE, ,	ALL	MAIN STAIRS	6' NORTH OF SOUTHEAST CORNER, 2ND LANDING	NAD	4A

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	03	227-03D	Plaster, WHITE, ,	3	NEW WINGS GIRLS ROOM	10' SOUTH 1' WEST OF NORTHEAST CORNER	NAD	4A
227	03	227-03c	Plaster, WHITE, ,	3	MAIN HALL	SOUTHWEST CORNER OF NEW WING MAIN HALL	NAD	4A
227	08	227-08A	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND GOUGES	3	NEW WING HALL	25' EST OF SOUTHWEST CORNER	NAD	4A
227	09	227-09A	Ceiling Tile, WHITE, 2'X4', WITH DOTS (CONSTELLATION	3	NEW WING HALL	28' EAST OF SOUTHWEST CORNER	7	4A
227	10	227-10A	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACKS	3	NEW WING HALL	25' EAST OF SOUTHWEST CORNER	NAD	4A
227	12	227-12B	Floor Tile, GREEN, 12"X12", WITH DARK YELLOW, AND DARK GREEN, AND	2	206	5' SOUTH 5' EAST OF NORTHWEST CORNER	NAD	7A
227	12	227-12A	Floor Tile, GREEN, 12"X12", WITH DARK YELLOW, AND DARK GREEN, AND	3	314	1' WEST OF NORTHEAST CORNER	NAD	7A
227	13	227-13B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 12	2	206	5' SOUTH 5' EAST OF NORTHWEST CORNER	NAD	7A
227	13	227-13A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 12	3	314	1' WEST OF NORTHEAST CORNER	2	7A
227	22	227-22B	Wall Board, WHITE, ,	2	215A, 215B, & 215C	NORTHEAST CORNER OF ROOM 215C	NAD	7A

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	22	227-22A	Wall Board, WHITE, ,	36	315A & 315B	NORTHWEST CORNER OF ROOM 315C	NAD	7A
227	23	227-23A	Floor Tile, RED, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	3	301A	NORTHEAST CORNER	NAD	7A
227	23	227-23B	Floor Tile, RED, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	2	201	8' SOUTH OF NORTHWEST CORNER OF CLOAK ROOM	NAD	7A
227	24	227-23A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 23	3	301A	NORTHEAST CORNER	NAD	7A
227	24	227-24B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 23	2	201	8' SOUTH OF NORTHWEST CORNER OF CLOAK ROOM	NAD	7A
227	25	227-25A	Baseboard Mastic, BROWN, ,	3	301A	NORTHEAST CORNER	NAD	7A
227	28	227-28A	Floor Tile, OFF WHITE, 12"X12", WITH DARK ORANGE/BROWN, OLIVE,	3	305 CLOAK ROOM	5' WEST OF SOUTHEAST CORNER	NAD	7A
227	29	227-29A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 28	3	305 CLOAK ROOM	5' WEST OF SOUTHEAST CORNER	NAD	7A
227	30	227-30A	Floor Tile, LIGHT TAN, 12"X12", WITH ORANGE/BROWN, AND	2	MAIN HALL	18' NORTH 2' EAST OF SOUTHEAST CORNER	NAD	7A
227	31	227-31A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 30	2	MAIN HALL	18' NORTH 2' EAST OF SOUTHEAST CORNER	NAD	7A

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	34	227-34A	Floor Tile, LIGHT GRAY, 12"X12", WITH DARK BROWN AND GRAY AND	3	MAIN HALL	NORTHEAST CORNER OF MAIN HALL	NAD	7A
227	35	227-35A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 34	3	MAIN HALL	NORTHEAST CORNER OF MAIN HALL	NAD	7A
227	36	227-36A	Floor Tile, WHITE, 12"X12", WITH LIGHT GRAY AND GRAY SPECKS	3	MAIN HALL	6' NORTH OF SOUTHWEST CORNER OF STAIR LANDING	NAD	7A
227	37	227-37A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 36	3	MAIN HALL	6' NORTH OF SOUTHWEST CORNER OF STAIR LANDING	NAD	7A
227	38	227-38A	Floor Tile, GRAY, , WITH BLACK AND WHITE MARBLED PATTERN	2	208	20' NORTH OF SOUTHWEST CORNER	NAD	7A
227	39	227-39A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 38	2	208	20' NORTH OF SOUTHWEST CORNER	NAD	7A
227	40	227-40A	Cloth Wrap, WHITE, , PIPE WRAP	1	MAINT. OFFICE	10' EAST 8' SOUTH OF NORTHWEST CORNER	NAD	7A
227	41	227-41B	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	1	AUDITORIUM	20' EAST 8' NORTH OF SOUTHWEST CORNER	NAD	7A
227	41	227-41C	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	1	MAIN HALL	20' SOUTH 4' WEST OF NORTHEAST CORNER	NAD	7A
227	41	227-41A	Pipe Insulation, GRAY, 3"O.D.-6"O.D., BLOCK	2	MAIN HALL	25' SOUTH OF NORTHEAST CORNER	60	7A

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	42	227-42A	Floor Tile, BLACK, 12"X12", WITH DARK BLACK AND LIGHT BLACK SPECKS	2	205	1' SOUTH OF NORTHWEST CORNER	NAD	7A
227	42	227-42B	Floor Tile, BLACK, 12"X12", WITH DARK BLACK AND LIGHT BLACK SPECKS	1	AUDITORIUM	SOUTHWEST CORNER	NAD	7A
227	43	227-43B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 42	1	AUDITORIUM	SOUTHWEST CORNER	NAD	7A
227	43	227-43A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 42	2	205	1' SOUTH OFN NORTHWEST CORNER	NAD	7A
227	44	227-44A	Floor Tile, WHITE, 12"X12", WITH GRAY AND GREEN FLECKS	2	207	5' WEST OF NORTHEAST CORNER	NAD	7A
227	44	227-44B	Floor Tile, WHITE, 12"X12", WITH GRAY AND GREEN FLECKS	1	AUDITORIUM	1' EAST 1' NORTH OF SOUTHWEST CORNER	NAD	7A
227	45	227-45A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 44	2	207	5' WEST OF NORTHEAST CORNER	NAD	7A
227	45	227-45B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 44	1	AUDITORIUM	1' EAST 1' NORTH OF SOUTHWEST CORNER	NAD	7A
227	46	227-46A	Ceiling Tile, WHITE, 2'X4', WITH PINHOLES DOTS AND WORMY TRACK	2	NEW WING HALL	5' NORTH OF SOUTHEAST CORNER	NAD	4A
227	47	227-47A	Floor Tile, OFF WHITE, 12"X12", WITH ORANGE BROWN AND OLIVE	1	AUDITORIUM	10' NORTH 15' EAST OF SOUTHWEST CORNER	NAD	7A

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	47	227-47B	Floor Tile, OFF WHITE, 12"X12", WITH ORANGE BROWN AND OLIVE	1	AUDITORIUM	5' WEST 5' SOUTH OF NORTHEAST CORNER	NAD	7A
227	48	227-48A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 47	1	AUDITORIUM	10' NORTH 15' EAST OF SOUTHWEST CORNER	NAD	7A
227	48	227-48B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 47	1	AUDITORIUM	5' WEST 5' SOUTH OF NORTHEAST CORNER	NAD	7A
227	49	227-49B	Cementitious Fitting, GRAY, 3"-4" O.D.,	1	MAIN HALL	20' NORTH 4' EAST OF SOUTHWEST CORNER	NAD	7A
227	49	227-49C	Cementitious Fitting, GRAY, 3"-4" O.D.,	1	103	8' SOUTH 1' EAST OF NORTHWEST CORNER	NAD	7A
227	49	227-49A	Cementitious Fitting, GRAY, 3"-4" O.D.,	1	AUDITORIUM	20' EAST 8' NORTH OF SOUTHWEST CORNER	40	7A
227	50	227-50A	Floor Tile, LIGHT GREEN, 12"X12", WITH ORANGE, BROWN AND WHITE	1	102	3' SOUTH OF NORTHWEST CORNER	NAD	7A
227	51	227-51A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 50	1	102	3' SOUTH OF NORTHWEST CORNER	NAD	7A
227	54	227-54A	Floor Tile, BROWN, 12"X12", WITH DARK BROWN AND BEIGE SPECKS	1	MAIN HALL	20' NORTH 4' WEST OF SOUTHEAST CORNER	NAD	7A
227	55	227-55A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 54	1	MAIN HALL	20' NORTH 4' WEST OF SOUTHEAST CORNER	NAD	7A

Table 2. Sample Location/Result Summary

05-May-99

Building Number	Homogeneous Area	Sample Number	Material Description	Floor	Room	Sample Location	% ACM	Assessment Classification
227	56	227-56A	Vinyl Sheeting, MAROON, , WITH BLACK STREAKS	1	103	5' WEST OF SOUTHEAST CORNER	3	7A
227	56	227-56B	Vinyl Sheeting, MAROON, , WITH BLACK STREAKS	1	GIRLS REST ROOM	15' EAST 10' SOUTH OF NORTHWEST CORNER	NAD	7A
227	57	227-57B	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 56	1	GIRLS REST ROOM	15' EAST 10' SOUTH OF NORTHWEST CORNER	NAD	7A
227	57	227-57A	Floor Mastic, , , MASTIC ASSOCIATED WITH HA 56	1	103	5' WEST OF SOUTHEAST CORNER	2	7A
227	58	227-58A	Breeching, GRAY, 24"O.D.,	1	BOILER ROOM	15' NORTH 20' WEST OF SOUTHEAST CORNER	NAD	7A
227	58	227-58B	Breeching, GRAY, 24"O.D.,	1	BOILER ROOM	15' NORTH 15' WEST OF SOUTHEAST CORNER	NAD	7A
227	58	227-58C	Breeching, GRAY, 24"O.D.,	1	BOILER ROOM	15' SOUTH 15' WEST OF NORTHEAST CORNER	NAD	7A
227	59	227-59A	Cementitious Fitting, GRAY, 3"O.D., ON FIBERGLASS PIPE INSULATION	2	NEW WING	CUST. CLOSET ABOVE ACCESS PANNEL IN CEILING	NAD	7A